

From: "David G. Victor"  
Date: October 6, 2015 at 11:40:43 PM PDT  
To: Ted Quinn  
Cc: Manuel Camargo, Maureen Brown  
Subject: (External):Re: USNRC: Examining the Reasons for Ending the Cancer Risk Study

Thanks Ted. I have always thought the main issue is the size of normal background radiation. Manuel, can you get a clean copy of this blog and send it around with our next circular. Thx.

Sent from limited typing device

On Oct 7, 2015, at 3:32 PM, Ted Quinn wrote:

First good NRC rationale and explanation I have seen

Best regards  
Ted

Sent from my iPhone

*Attachment:*  
*15 – NRC Examining the Reasons for Ending the Cancer Risk Study*

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From: David G. Victor  
Sent: Friday, October 02, 2015 4:48 PM  
To: Manuel Camargo  
Subject: Re: (External):Re: CCC meeting on ISFSI CDP

Yes please  
Attached is final

From: Manuel Camargo  
Date: Friday, October 2, 2015 at 4:25 PM  
To: "David G. Victor"  
Subject: RE: (External):Re: CCC meeting on ISFSI CDP

David,

Do you want your joint letter to the CCC to be included in the next circular of recent communications? We're preparing a batch for next week.

Manuel

Manuel C. Camargo Jr.  
Principal Manager  
Nuclear Decommissioning Strategic Planning  
www.SONGScommunity.com

*Attachments:*

*14 – CEP Leadership to Coastal Commission, 30 Sept 2015.pdf*

*13 – CCC Staff Report.pdf*

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From: Neill, Ben@Waterboards  
Sent: Friday, October 02, 2015 2:04 PM  
To: Rodriguez, Vicente@Waterboards; BRIAN METZ  
Cc: David Asti; Paul Youngbae Ahn; PAUL ELLIOTT; Manuel Camargo; Robert Evans, Nuclear Regulatory Commission; Marlayna Vaaler, Nuclear Regulatory Commission; Ross, Toni@Coastal; Angela T. Howe, Surfrider Foundation; Staley Prom, Surfrider Foundation; Joann Weber, County of San Diego; James Marincola, USEPA; David Smith, US EPA, Region 9; WB-DWQ-NPDES\_Wastewater; Andrew Yuen, U.S. Fish and Wildlife Services; Carol Roberts, U.S. Fish and Wildlife Service; Paznokas, William@Wildlife; Bob Hoffman, National Marine Fisheries Service; Lee, Deborah@Coastal; ACOE Carlsbad Field Office; Outwin-Beals, Brandi@Waterboards; Barker, David@Waterboards; Coe, Sam@DTSC; Lupo, Roger (CDPH-DFDRS-RHB); Vondrakm  
Subject: (External):NOTICE OF PUBLIC WORKSHOP - Tentative Order Nos. R9-2015-0073 for San Onofre Nuclear Generating Station

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) will hold a public workshop to provide an opportunity for discussion and to receive comments, information, and input from the public on Tentative Order No. R9-2015-0073, NPDES No. CA0109282, *Waste Discharge Requirements for Southern California Edison Company, San Onofre Nuclear Generating Station, San Diego County, Discharge to the Pacific Ocean* (Tentative Order). The Tentative Order proposes to reissue National Pollutant Discharge Elimination System (NPDES) Permit No. CA0109282 to Southern California Edison Company for the discharge of cooling water, treated domestic wastewater, and other low-volume wastewater from the San Onofre Nuclear Generating Station (SONGS) to the Pacific Ocean.

The SONGS Public Workshop is scheduled as follows:

| Workshop Date                 | Time                      | Location                                                                                             |
|-------------------------------|---------------------------|------------------------------------------------------------------------------------------------------|
| Thursday,<br>October 15, 2015 | 1:00 p.m. to<br>3:00 p.m. | City of San Juan Capistrano<br>Community Center<br>25925 Camino Del Avion<br>San Juan Capistrano, CA |

For questions or comments, please feel free to contact me by phone or email.

Respectfully,

Ben Neill, P. E.  
Water Resource Control Engineer  
Source Control Regulation  
San Diego Regional Water Quality Control Board

*Attachment:  
12 – CA Water Boards - SONGS Workshop Notice.pdf*

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From: Julia Martinez On Behalf Of Tom Palmisano  
Sent: Thursday, October 01, 2015 4:37 PM  
To: Bill Horn; Tim Brown, Pam Patterson; David G. Victor; Donna Boston; Dan Stetson; Eaton, Marisol; Garry Brown; Glenn Pascall; Jim Leach; Jerry Kern; Jim Alpay; Lindsay Stigall; Mayor Carlos Olvera; Mike Rose; Paul Walters; Rich Haydon; Richard Mcpherson; Steven Carlson; Supervisor Lisa Bartlett; Tanya Flink; Ted Quinn; Tim Brown; Tom Caughlan; Victor Cao; Val Macedo; William Parker  
Cc: Esther Soto; JAMES MADIGAN; Jennifer Manfre; Jose Perez; Julie C Holt; Larry Labrado; Larry Rannals; Liese Mosher; Manuel Camargo; Maureen Brown; Robin Mainardy; Tom Palmisano; Veronica Gutierrez; Viet Tran; Julia Martinez  
Subject: Inaccurate report by San Diego television station

CEP Members,

Please see my attached memo regarding inaccurate TV news stories regarding SONGS that have aired in recent days. I wanted to write to you to set the record straight and clear up some of the inaccuracies.

I welcome any questions you may have.

Sincerely,  
*Tom Palmisano*

San Onofre Nuclear Generating Station  
Vice President Decommissioning & Chief Nuclear Officer

*Attachment:  
11 – 150930 Final CEP Ltr-Mesa.pdf*

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From: David G. Victor  
Sent: Tuesday, September 15, 2015 5:16 PM  
To: Manuel Camargo; Bill Horn; Tim Brown; Cao Victor (OC); donna boston; Dan Stetson; Eaton, Marisol; Garry Brown; Glenn Pascall; Jim Leach; Jerry Kern; John Alpay; Lindsay Stigall; Mayor Carlos Olvera; Mayor Pro Tem Pam Patterson; Mike Rose; Paul Walters; Supervisor Bartlett; Rich Haydon; Richard McPherson; Steven Carlson; Supervisor Lisa Bartlett; Tanya Flink ; Ted Quinn; Tom Caughlan; Val Macedo; William Parker  
Cc: Esther Soto ; JAMES MADIGAN ; Jennifer Manfre ; Jose Perez ; Julie C Holt ; Larry Labrado ; Larry Rannals ; Liese Mosher ; Maureen Brown ; Robin Mainardy ; Tom Palmisano ; Veronica Gutierrez ; Viet Tran ; Edward Avella ; Steven Reese ; Tarrance Frierson ; Dennis Thurston ; R.O. Nichols ; Steven Carlson ; Cindy Howell  
Subject: Spent fuel storage discussions at San Diego County Board of Supervisors; National Academy study on health impacts of nuclear reactors

Dear Colleagues on the CEP

I write with information on two items related to our work.

First, the interest in consolidated interim storage (CIS) continues to grow. Today, the San Diego County Board of Supervisors held a discussion on the problem of long-term storage of spent fuel at San Onofre. I shared some impressions of our discussions on this topic in the CEP; Tom Palmisano from Edison and representatives from the community also spoke. Among the practical outcomes of the County meeting is a letter that the Board will send to the Department of Energy urging DOE to remove the waste promptly. The Board is setting up a subcommittee to follow this issue. In my remarks I emphasized the need to work with the Board to make CIS a reality. I attach a copy of the letter I submitted to the Board today. A special thanks to Jerry Kern who helped set this up and to Bill Horn who Chaired today's meeting.

Second, over the last two years we have heard about a study under way at the National Academy of Sciences to assess cancer risks at nuclear power plants. This is a vitally important topic but one beset with many methodological challenges—in particular, the challenge of statistically identifying the “signal” of a nuclear power plants impact on cancer inside the “noise” of many other factors that also affect cancer and health. Recently, the NRC decided to defund the study; it is my understanding that these statistical concerns were at the core of that decision. Many members of the community are concerned about the lack of more reliable data on cancer risks and thus I wanted to bring this issue to your attention—in case you have not been following the fate of the study. Attached please find a balanced and informative cover story in the OC Register on this matter. Below, please also find a letter from the key person at EPRI outlining EPRI's views on this matter. Attached please find a letter that EPRI shared with the National Academy study team at the end of phase I of the study in 2012 which, already then, raised these concerns about the statistical robustness of the study. I asked for input from EPRI because they have done a lot of work in this area, are independent, and have followed this study closely.

Ted Quinn has followed the National Academy study closely and gathered much information about the process, and he has agreed to help CEP members if they want additional information.

All best wishes

David Victor

From: Tran, Phung  
Sent: Thursday, September 10, 2015 10:55 AM  
To: Stark, Randy  
Cc: Edwards, Lisa  
Subject: RE: FAQs: NAS study on Analysis of Cancer Risks near Nuclear Facilities

Randy,

As part of our efforts to provide technical support to the NAS during the various phases of their study, we published two publicly available reports that outline and discusses the technical challenges associated with trying to conduct the types of studies that were proposed by the

NAS. I've included links to both reports below. We also submitted comments to the NAS and the NRC during their Phase 1 efforts (when they were seeking public comments). Our letter to the NAS would probably be the most interesting to David Victor because it clearly outlines the issues with statistical power and dose reconstruction that is elaborated further in the actual EPRI reports.

Essentially, we identified early on that the technical meaningfulness of the NAS studies would be limited due to low statistical power and the inability to properly control for known confounders. We focused on informing NAS of the technical issues that they should be aware of and also some possible approaches for addressing some of the technical constraints if they chose to move forward with their studies.

The EPRI report from 2011 may be of interest to him in that it provides an overview of the key results from other similarly conducted studies from around the world (what was available at the time of publication), general epidemiology issues with ecologic study designs, issues with using linking effluents from NPPs to public exposure, and finally a discussion of the needs for a risk communication plan.

The report from 2014 provides more specific recommendations on the technical challenges that would need to be addressed for each of the studies (ecologic and case control) based on our evaluation of the census database, some state cancer registries, dose reconstruction tools/methods, and our understanding of some of the important confounders that would need to be taken into consideration.

I hope this high level overview helps. If you need something more, let me know.

EPRI Recommendations for the National Academies' Pilot Study of Cancer Risks in Populations Around Nuclear Facilities: Feasibility Study

Product ID:3002003163

Date Published:14-Jul-2014

<http://membercenter.epri.com/abstracts/Pages/ProductAbstract.aspx?ProductId=000000003002003163>

Technical Considerations for the Nuclear Regulatory Commission/ National Academy of Sciences Proposed Study: Cancer in Populations Living Near Nuclear Facilities

Product ID:1024677

Date Published:04-Nov-2011

<http://membercenter.epri.com/abstracts/Pages/ProductAbstract.aspx?ProductId=000000000001024677>

Kind regards,

Phung K. Tran

Radiation Safety Program Manager  
Electric Power Research Institute

*Attachment:*

- 3 – Update on spent fuel 25 Aug 2015.pdf*
- 8 – Victor to San Diego Board of Supervisors 11 Sept 2015.pdf*
- 9 – EPRI Comments NA Phase 1 Report Final2.pdf*
- 10 – OC Register Cancer Study Article 9.12.2015.pdf*

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To: David Victor; Dan Stetson; Tim Brown  
Cc: Manuel Camargo; Liese Mosher; Maureen Brown  
From: Tom Palmisano  
Sent: Monday, September 14, 2015 12:35 PM  
Subject: FW: Economist Article

FYI.  
This is a short article and a worthwhile read.  
Tom

On 9/14/15, 12:15 PM, "Dan Stetson" wrote:

>All  
>Here is a recent article that ran in The Economist on nuclear waste.  
>Dan

*Attachment:*

- 7 – The Economist article 08.29.2015.pdf*

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To: David Victor; Dan Stetson; Tim Brown  
Cc: Manuel Camargo; Liese Mosher; Maureen Brown  
From: Tom Palmisano  
Sent: Monday, September 14, 2015 9:50 AM  
Subject: FW: Holtec CIS Update

Attached is a standard presentation Holtec is using on their plans for a New Mexico consolidated interim storage facility (CIS). I've talked to Holtec recently, and they are preparing the NRC submittal for the license for the facility. They also continue to feel they have strong local and state support for the facility.

I think the two most important unknown items are changes to the Nuclear Waste Policy act to allow DOE to proceed with private CIS, and the whole issue of transportation of spent fuel.

Tom

Tom Palmisano  
Vice President Decommissioning and Chief Nuclear Officer  
San Onofre Nuclear Generating Station  
Southern California Edison

From: Pierre Oneid  
Sent: Monday, September 14, 2015 5:30 AM  
To: Tom Palmisano  
Subject: Holtec CIS Update

Good Morning Tom,  
Enclosed, please find a recent Webinar presentation as an update to our proposed Central Interim Storage (CIS) in partnership with the Eddy Lea Energy Alliance (ELEA) in Southeast New Mexico. We have received strong support from the State by Governor Martinez. A support letter issued by her office was sent to Secretary Moniz. We already submitted to the NRC a letter of intent to open a Part 72 docket. Happy to answer any questions at your convenience. Feel free to call my cell anytime. Also, please feel free to share with Dr. Victor and the CEP.  
Warm Regards,

Pierre

*Attachment:*  
*6 – ELEA – Holtec Introduction 07-29-15 rev 3.pdf*

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From: David G. Victor  
Sent: Sunday, September 13, 2015 8:23 PM  
To: Tom Palmisano; Dan Stetson; Tim Brown  
Cc: Manuel Camargo; Liese Mosher; Maureen Brown; JAMES MADIGAN  
Subject: Re: NRC Commissioners remarks at Congressional hearing

Very helpful indeed. We should circulate with our next circular email. Thx d

From: Tom Palmisano  
Sent: Sunday, September 13, 2015 6:58 PM  
Subject: NRC Commissioners remarks at Congressional hearing

All,

Attached is an industry publication on spent fuel. The first article reports on a Sept 9 congressional hearing where the four NRC Commissioners answered questions related to Yucca mountain, interim spent fuel storage and decommissioning. I thought the document would provide useful background on the NRC's commissioner's views. I've highlighted several sections for your attention.

Tom

*Attachment:*  
*5- Spent Fuel-Commissioners Discuss at Congressional Oversight Hearing 09.11.2015.pdf*

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From: Tom Palmisano  
Sent: Friday, September 11, 2015 4:10 PM  
Subject: Holtec Umax system approved for SONGS seismic criteria

The NRC has approved amendment 1 to the Holtec UMAX license. This amendment approves the UMAX system for the more stringent SONGS seismic criteria. The amendment was submitted by Holtec in 2014 before we awarded them the contract. The NRC has approved the amendment and it is effective Sept 8, 2015.

I've attached the Federal Register notice for your information. The notice contains the NRC responses to several public questions they received. We will include this in a future CEP distribution. Let me know if you have any questions.  
Tom

*Attachment:*  
*4 – UMAX Amd 1 Federal Register Publication 2015.pdf*

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From: Manuel Camargo  
Sent: Tuesday, September 01, 2015 1:01 PM  
To: 'David G. Victor'  
Subject: RE: Power lines  
David,

The power lines that span Interstate 5 will remain in place for the foreseeable future. Five of the lines connect to the SDG&E transmission system and four connect to SCE's system. All feed into a switchyard at SONGS that serves as an important interconnect between the two electric systems. While SONGS was operating and generating power, the lines fed electricity to SDG&E and SCE customers. In the future, the switchyard at SONGS will serve the ongoing power needs at the plant for spent fuel storage and decommissioning, and will remain an important component of the regional electrical infrastructure for many years to come.

Manuel

Manuel C. Camargo Jr.  
Principal Manager  
Nuclear Decommissioning Strategic Planning  
[www.SONGScommunity.com](http://www.SONGScommunity.com)

-----Original Message-----  
From: David G. Victor



Sent: Monday, August 24, 2015 4:12 PM  
To: Manuel Camargo  
Subject: Power lines  
Manuel

Do you know when the power lines crossing the 5 get taken down?

David.

Sent from limited typing device

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From: David G. Victor  
Sent: Thursday, August 27, 2015 11:49 AM  
To: Manuel Camargo; Bill Horn; Tim Brown; Cao Victor (OC); dboston; Dan Stetson; Eaton, Marisol; Garry Brown; Glenn Pascall; Jim Leach; Jerry Kern; John Alpay; Lindsay Stigall; Mayor Carlos Olvera; Mayor Pro Tem Pam Patterson; Mike Rose; Paul Walters (Supervisor Bartlett); Rich Haydon; Richard McPherson; Steven Carlson; Supervisor Lisa Bartlett; Tanya Flink; Ted Quinn; Tom Caughlan; Val Macedo; William Parker  
Cc: Esther Soto; JAMES MADIGAN; Jennifer Manfre; Jose Perez; Julie C Holt; Larry Labrado; Larry Rannals; Liese Mosher; Maureen Brown; Robin Mainardy; Tom Palmisano; Veronica Gutierrez; Viet Tran; Edward Avella; Steven Reese; Tarrance Frierson; Dennis Thurston; R.O. Nichols; Steven Carlson; Cindy Howell  
Subject: update on Consolidated Interim Storage

Dear Colleagues on the CEP

At our last meeting we had a discussion of how to move forward with consolidated interim storage (CIS). Many members of the CEP noted that we need support in Sacramento and that we should begin a process of meeting with key Senators and members of the Assembly. Jerry Kern offered to set up an initial meeting with Sen. Pat Bates (formerly a CEP member herself) along with Assembly members Rocky Chavez (Oceanside) and Bill Brough (San Juan Capistrano). Dan Stetson and I held that meeting last week with the goal of getting initial feedback from them on strategy—including how we can work across the aisle.

There were two immediate outcomes. First, Sacramento will respond if there is durable grassroots support for CIS. That means continuing the efforts already under way to pass supportive resolutions in key towns and cities and also to build support notably within the environmental community. We would welcome advice on next steps in this grassroots efforts—who should be briefed and consulted, for example? This needs to happen quickly to make sure we understand the political landscape and so that folks hear about CIS from us.

Second, there are many options in Sacramento—in addition to the Energy Commission the legislature itself might create a select committee or some other initiative. Senator Bates, Assemblymen Chavez and Brough and others can help us with that—possibly as soon as early September when the legislature is back in session. We will probably need to do briefings and will need bipartisan support. We were also urged to get an updated, shortened copy of the April action memo on what the CEP has done related to CIS. I attach a copy of that updated memo.

Jerry, Dan and I are looking further into what might be done at the federal level—most likely, however, those efforts will follow rather than lead action in California.

The most important actions we can take right now are to talk with key constituencies about why CIS is so important to us (and to California). If you could keep me posted about important conversations—or conversations you would like me to organize—that would be much appreciated.

all best wishes

David

*Attachment:  
3 - Update of spent fuel, 25 Aug.pdf*

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From: Manuel Camargo  
Sent: Tuesday, August 25, 2015 5:41 PM  
To: Bill Horn; Tim Brown; Cao Victor (OC); David G. Victor; Donna Boston; Dan Stetson; Eaton, Marisol; Garry Brown; Glenn Pascall; Jim Leach; Jerry Kern; Jim Alpay; Lindsay Stigall; Mayor Carlos Olvera; Mayor Pro Tem Pam Patterson; Mike Rose; Paul Walters; Rich Haydon; Richard McPherson; Steven Carlson; Supervisor Lisa Bartlett; Tanya Flink; Ted Quinn; Tim Brown; Tom Caughlan; Val Macedo; William Parker  
Cc: Esther Soto; JAMES MADIGAN; Jennifer Manfre; Jose Perez; Julie C Holt; Larry Labrado; Larry Rannals; Liese Mosher; Manuel Camargo; Maureen Brown; Robin Mainardy; Tom Palmisano; Veronica Gutierrez; Viet Tran; Edward Avella; Steven Reese; Tarrance Frierson; Dennis Thurston; R.O. Nichols  
Subject: FYI - SONGS DGC Prime Contractor Networking Event on 8/24

CEP Members,

As you may recall, SCE hosted a “Meet-the-Primes” event at the Laguna Cliffs Marriott on 8/24 to facilitate networking among the decommissioning general contractor (DGC) finalists and local subcontractors, with a focus on diverse business enterprises (DBEs). We had strong turnout yesterday with approximately 125 firms represented. The event started with background presentations by SCE and then transitioned into pre-arranged appointments for many of the firms. The goal of the event was to facilitate networking and maximize the use of local vendors and DBEs as subcontractors to the DGC during decommissioning.

SCE is in the process of selecting the DGC that will manage the major decontamination & dismantlement for SONGS. We expect to select and execute a contract with the successful bidder by 1Q/2Q 2016. This event served as an early opportunity for the finalists in the DGC RFP process to get to know local contractors that provide services ranging from asbestos abatement and environmental services (e.g. soil sampling) to personal protective equipment and scaffolding. Such subcontracting opportunities are expected to materialize in the late 2016/early 2017 timeframe and beyond.

News media in attendance included the OC Register and San Clemente Times. We anticipate an OCR story in the next few days and a SC Times story in this Thursday’s edition.

On a related note, the focus of our 4Q 2015 CEP meeting will be a study that SCE has commissioned to quantify the economic impact of decommissioning on local communities, the region, and the nation.

Manuel

Manuel C. Camargo Jr.  
Principal Manager  
Nuclear Decommissioning Strategic Planning  
www.SONGScommunity.com

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From: Manuel Camargo  
Sent: Monday, August 24, 2015 12:22 PM  
To: Bill Horn; Tim Brown; Cao Victor (OC); David G. Victor; Donna Boston; Dan Stetson; Eaton, Marisol; Garry Brown; Glenn Pascall; Jim Leach; Jerry Kern; Jim Alpay; Lindsay Stigall; Mayor Carlos Olvera; Mayor Pro Tem Pam Patterson; Mike Rose; Paul Walters; Rich Haydon; Richard McPherson; Steven Carlson; Supervisor Lisa Bartlett; Tanya Flink; Ted Quinn; Tim Brown; Tom Caughlan; Val Macedo; William Parker  
Cc: Esther Soto ; JAMES MADIGAN; Jennifer Manfre; Jose Perez; Julie C Holt; Larry Labrado; Larry Rannals; Liese Mosher; Manuel Camargo; Maureen Brown; Robin Mainardy; Tom Palmisano; Veronica Gutierrez; Viet Tran; James Kay  
Subject: FYI - NRC Regulatory Approvals

CEP Members,

Last week, the NRC approved the San Onofre Irradiated Fuel Management Plan (IFMP). The NRC also issued "acceptance" of the Post-Shutdown Decommissioning Activities Report (PSDAR) and the Decommissioning Cost Estimate (DCE). In the case of these two documents the NRC does not approve them but rather it reviews the submittals and now has concluded they are acceptable and that they meet requirements for content.

These are the three major decommissioning-specific documents that SCE submitted to the NRC for review in September 2014.

These NRC documents also will be posted to [www.SONGScommunity.com](http://www.SONGScommunity.com). Alphanumeric document names are the accession numbers that correspond with the NRC's ADAMS document library.

Best,

Manuel

Manuel C. Camargo Jr.  
Principal Manager  
Nuclear Decommissioning Strategic Planning  
www.SONGScommunity.com

*Attachment:*  
*1 – NRC Review & Approval of Irradiated Fuel Management Plan (IFMP) 8.19.2015.pdf*

